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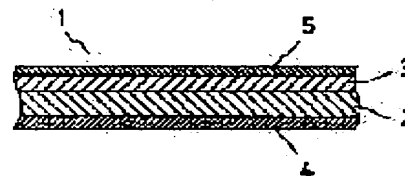
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(54) ALUMINUM ALLOY BRAZING SHEET FOR VACUUM SOLDERING, HAVING SATISFACTORY CORROSION RESISTANCE AND HEAT EXCHANGER USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an aluminum alloy brazing sheet for heat exchanger, whose corrosion resistance is excellent, whose clad rolling property and moldability are also excellent and which is assembled by vacuum brazing.

SOLUTION: A core material 2 consists of, by weight, 0.5-1.6% Mn, 0.10-0.50% Cu, 0.05-0.50% Mg, 0.06-0.30% Ti and the remainder consist of Al and inevitable impurities. An intermediate layer 3 contains 0.2-1.5% Mg, further it contains one kind or over of 0.5-4% Zn, 0.005-0.2% In and 0.01-0.2% Sn and the remainder consist of the Al and inevitable impurities, its thickness is 50 μ m or over and is equivalent or below (thickness of an intermediate layer material/thickness of the core material ≤ 1) to the thickness of the core material 2. An outer brazing material 5 and an inner brazing material 4 consist of an Al-Si-Mg-based alloy. Thus, the four-layer structure consists of the outer brazing material 5/intermediate layer material 3/ the core material 2/the inner brazing material 4 in this order.



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